

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number
WO 03/061975 A1

(51) International Patent Classification⁷: **B41J 2/155, 2/14**

(21) International Application Number: **PCT/GB03/00150**

(22) International Filing Date: **16 January 2003 (16.01.2003)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
0200924.9 16 January 2002 (16.01.2002) **GB**
0201018.9 17 January 2002 (17.01.2002) **GB**

(71) Applicant (for all designated States except US): **XAAR TECHNOLOGY LIMITED [GB/GB];** Science Park, Milton Road, Cambridge CB4 0XR (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **TEMPLE, Stephen [GB/GB];** The Windmill, Impington, Cambridge CB4 9NU (GB).

(74) Agents: **GARRATT, Peter, Douglas et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).**

(81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.**

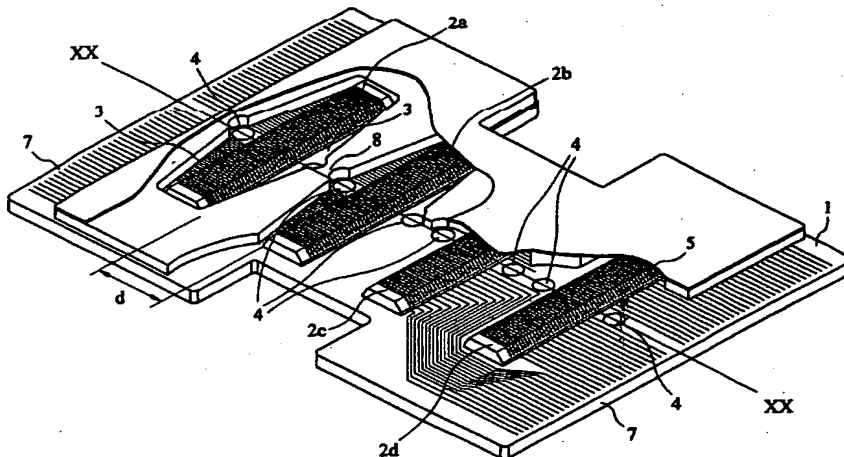
(84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **DROPLET DEPOSITION APPARATUS**



(57) Abstract: An inkjet printer has a print head unit with four parallel rows of nozzles each row being able to receive an ink of a different colour. The length of each row is less than the length of the print head unit. A number of print head units may be aligned together to provide elongate arrays of nozzles. The nozzle spacing along the array is non uniform in that the inter-nozzle spacing within the rows is less than the inter-row spacing between neighbouring print head units. In operation each print head unit deposits a non contiguous swath on the paper and the and then all the units are moved an equal distance and a further swath printed thereby interleaving the swaths. A method of supplying ink and an ink supply member are also provided.

BEST AVAILABLE COPY

WO 03/061975 A1